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## (54) PACKET COMMUNICATION EQUIPMENT AND TRANSMISSION POWER CONTROL METHOD

(57) Abstract:

**PROBLEM TO BE SOLVED:** To realize battery saving and to prevent the increase of interference to the other communication station by extracting transmission power control information from a packet signal constituted in a transmission unit, deciding the deterioration of the quality of the packet signal and stopping the control of transmission power with respect to the transmission unit after the decision.

**SOLUTION:** A radio reception part 102 executes a prescribed processing on a reception signal and sends the signal to a transmission power information extraction part 106. Transmission power instruction information extracted in the transmission power information extraction part 106 is inputted to the counter 1071 of a transmission power control part 107. The transmission power control part 107 sends the instruction of the increase/decrease of transmission power to a ra-

dio transmission part 109. When instruction information on power increase is continuously received for the prescribed number of times, the subsequent transmission power of the transmission unit in a packet is not increased and power control information is accumulated in a memory 1073. Information are collectively reflected when the transmission of the next packet is started.

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